

SEQUENCE LISTING

<110> MIRANDA, LESLIE PHILLIP
KENT, STEPHEN B. H.

<120> WATER-SOLUBLE THIOESTER AND SELENOESTER
COMPOUNDS AND METHODS FOR MAKING AND USING THE SAME

<130> GRFN-044

<150> 60/437,285

<151> 2002-12-30

<160> 4

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 56

<212> PRT

<213> Artificial Sequence

<220>

<223> GRFN-1712 peptide

<220>

<221> VARIANT

<222> (1)...(1)

<223> Cys is Acn protected

<220>

<221> VARIANT

<222> (56)...(56)

<223> Trp is bound to a thioester moiety

<400> 1

Cys	Ser	Leu	Asn	Glu	Lys	Ile	Thr	Val	Pro	Asp	Thr	Lys	Val	Asn	Phe
1				5					10					15	
Tyr	Ala	Trp	Lys	Arg	Met	Glu	Val	Gly	Gln	Gln	Ala	Val	Glu	Val	Trp
			20					25					30		
Gln	Gly	Leu	Ala	Leu	Leu	Ser	Glu	Ala	Val	Leu	Arg	Gly	Gln	Ala	Leu
		35					40					45			
Leu	Val	Lys	Ser	Ser	Gln	Pro	Trp								
	50					55									

<210> 2

<211> 56

<212> PRT

<213> Artificial Sequence

<220>

<223> GRFN 1712-PLP3 peptide

<220>

<221> VARIANT

<222> (1)...(1)

<223> Cys is Acn protected

<220>
 <221> VARIANT
 <222> (56)...(56)
 <223> Trp is bound to a thioester-PLP3-L moiety

<400> 2
 Cys Ser Leu Asn Glu Lys Ile Thr Val Pro Asp Thr Lys Val Asn Phe
 1 5 10 15
 Tyr Ala Trp Lys Arg Met Glu Val Gly Gln Gln Ala Val Glu Val Trp
 20 25 30
 Gln Gly Leu Ala Leu Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu
 35 40 45
 Leu Val Lys Ser Ser Gln Pro Trp
 50 55

<210> 3
 <211> 51
 <212> PRT
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<220>
 <223> GRFN 1852 peptide

<220>
 <221> VARIANT
 <222> (1)...(1)
 <223> Cys is Acn protected

<220>
 <221> VARIANT
 <222> (51)...(51)
 <223> Leu is bound to a thioester moiety

<400> 3
 Cys Leu Ser Gln Leu His Ser Gly Leu Phe Leu Tyr Gln Gly Leu Leu
 1 5 10 15
 Gln Ala Leu Glu Gly Ile Ser Pro Glu Leu Gly Pro Thr Leu Asp Thr
 20 25 30
 Leu Gln Leu Asp Val Ala Asp Phe Ala Thr Thr Ile Trp Gln Gln Met
 35 40 45
 Glu Glu Leu
 50

<210> 4
 <211> 51
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> GRFN 1852-PLP3 peptide

<220>
 <221> VARIANT
 <222> (1)...(1)
 <223> Cys is Acn protected

<220>
 <221> VARIANT
 <222> (51)...(51)

.<223> Leu is bound to a thioester-PLP3-Leu moiety

<400> 4

Cys	Leu	Ser	Gln	Leu	His	Ser	Gly	Leu	Phe	Leu	Tyr	Gln	Gly	Leu	Leu
1				5					10					15	
Gln	Ala	Leu	Glu	Gly	Ile	Ser	Pro	Glu	Leu	Gly	Pro	Thr	Leu	Asp	Thr
			20					25					30		
Leu	Gln	Leu	Asp	Val	Ala	Asp	Phe	Ala	Thr	Thr	Ile	Trp	Gln	Gln	Met
		35					40					45			
Glu	Glu	Leu													
		50													